

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-329464

(43)Date of publication of application : 13.12.1996

(51)Int.Cl. G11B 5/85
G11B 5/66
G11B 5/84
H01F 41/22

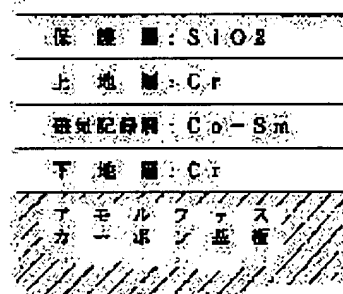
(21)Application number : 07-136688 (71)Applicant : KAO CORP
(22)Date of filing : 02.06.1995 (72)Inventor : KOBAYASHI ISAO

(54) PRODUCTION OF MAGNETIC RECORDING MEDIUM

(57)Abstract:

PURPOSE: To obtain a magnetic recording medium having high coercive force and adaptable to high recording density with a low-cost Co-Sm alloy material as the material of a magnetic recording layer.

CONSTITUTION: A film of Cr as an underlayer, a film of a Co_{100-x-y}Sm_xR_y alloy [R is a rare earth element other than Sm, (x) is 1-30at.% and (y) is 0-10at.%] as a magnetic recording layer and a film of Cr as an upper layer are formed on an amorphous carbon substrate at $\leq 400^{\circ}\text{C}$ temp. of the substrate and then heating is carried out. at 250-650°C in inert gas or in vacuum.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

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保 護 層 : S i O₂

上 地 層 : C r

磁気記録層 : C o - S m

下 地 層 : C r

イモルファス
カーボン基板

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